

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-028211**Date Inspected:** 19-Aug-2012**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** See below.**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Quality Assurance Inspector (QA) Fritz Belford was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

OBG 12W (Interior and Exterior)

This QA observed the following welders working in OBG 12W and 13W at various locations:

QC Inspector Jesus Cayabyab was observed performing Ultrasonic Shear Wave Testing (UT) on the "B" side plating at weld number 12W 13W B1 (3G, CJP). There were multiple areas with recordable and rejectable indications noted by QC Jesus Cayabyab throughout the weld. The QA observed QC Jesus Cayabyab while he was transferring Ultrasonic Shear Wave Testing (UT) indication locations from the outside or exterior of the plate to the inside or interior side of plate "B" verifying that they match and ensuring that all indications from both side of the plate were accounted for and that none was missing or overlooked. For detailed information of the indication locations, depth, and rating, see the QC Ultrasonic test report.

OBG 13W (Exterior)

QC Inspector Patrick Swain was observed performing Ultrasonic Shear Wave Testing (UT) on the "A" Deck Plating at weld number 13W W2.2 (1G & 4G, CJP). There were multiple areas with recordable and rejectable indications noted by QC Patrick Swain throughout the weld. This QA observed QC Patrick verifying the

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calibration of his scope with the DSC calibration block. He was also noted utilizing all applicable scanning patterns throughout the weld. For detailed information of the indication locations, depth, and rating, see the QC Ultrasonic test report.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



### Summary of Conversations:

Conversations relevant to work performed on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy - (510) 385-5910, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Belford,Fritz	Quality Assurance Inspector
<b>Reviewed By:</b>	Levell,Bill	QA Reviewer

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